

QUA • RAE

HERE IS NEWS OF... RADIO ASSOCIATION OF ERIE, INC.

VOL. III NO. 4

APRIL 1972

RAE MINUTES	2
1972 Auction	3
HAM OF THE MONTH	4
Where the Action Is	5
CD Driveout	6
SSB	6
Prez Sez	6
Letters From Our Readers	7
RADIO VS SUN	8
VHF Committee News	9
Repeater Committee Minutes	9
Wallpaper (awards)	10
Lake Erie Award	10
Pennsylvania Award Series	10
RACES/CD Nets	11
Calendar	12
New Members	12
The FINAL FINAL	12

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How about getting your name in print???
Call me for details. Editor.

ERIE'S FINEST AMATEUR RADIO NEWSBULLETIN

The Radio Association of Erie, Inc.
P.O. Box 844
Erie, Pennsylvania 16512

NON-PROFIT ORG.
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ERIE, PENNA.
PERMIT NO. 266

THIRD CLASS

NEXT MONTH--CW. Submit articles before April 15. June Issue--Mobile Operations.

MINUTES

March 2, 1972

The meeting was called to order at 8:30 PM by K3QAY.

Officers present: K3QAY, W3ZLO, WA3HSR, and WA3EAY.

Directors present: K3VLP, K3UPC, W3SN, WA3MAU and WA3HDK.

A round of introductions was held with George Rapp, W3EBY of Philadelphia among the guests.

The minutes of the February meeting were approved as read.

The treasurer indicated a balance of \$161.98. K3UPC moved that all new bills be paid. This motion passed without discussion.

CORRESPONDENCE:

- 1) Several requests for auction information.
- 2) \$15.00 contribution to the repeater from Don Acker,
- 3) Letter from Walt Jordan, W3SLC was read to the members present.

COMMITTEE REPORTS:

QUA-RAE - Amis the applause and cries of "good issue", Bob, WA3HDK reported on the March issue. He have thanks to all those contributing. Bob also reported that cost per issue has been running close to \$30.00.

CD - W3KPM reported that this years Welfare Test would be on March 28-29 (Friday and Saturday) and that local operations would take place on Friday night. Tom reported that the test would probably be held in Albion.

ACTIVITIES - W3ZLO listed the following upcoming activities: March 16 - 42-V clinic with film and specialists. April 1 - Dunkirk "Ham of the Year" Award. April 6 - Circuit board making program after business meeting. April 8 - RAE auction.

ARRL ASSISTANT DIRECTOR - W3ZLO read a bulletin regarding the

changes in frequency of WIAW transmissions. Chuck also indicated that the ARRL has filed opposition to RM 1747, the 220 MHz CB proposal, and that John Johnson, K3BNS was a new FCC man in Washington.

BOARD OF DIRECTORS - K3UPC indicated that leases between the RAE and Bliley Electric remained to be signed but that the other three regarding the repeater had been signed, John also noted that the RAE insurance covers any official RAE activity anywhere.

REPEATER - It was reported that W3ZLO was the trustee of the new repeater license which was recently applied for. It was also reported that the K8EUR repeater group decided unanimously to suspend the idea of a link with the Erie repeater for the time being and go 16/76. W3ZLO also reported that a blown 4-125A was replaced by W3UCZ.

AUCTION - WA3HDK reported that advertisements had appeared in HAM RADIO so far and that several hundred fliers have been sent to CB clubs upon request. It was then moved that, "Carl McGary be given a QUA-RAE subscription for supplying Auction posters" The motion passed without discussion

OLD BUSINESS

The results of the membership voting was read. Those in favor of the quorum change - 60; those against - 13. 73 ballots were received from the 105 sent out.

A discussion concerning committee financing was then begun. Some disagreement arose as to whether the repeater committee could have their own treasurer or if the RAE treasurer was also the committee's treasurer. An inspection of the November 1970 minutes revealed that the latter was true. K3VLP then moved, "that all committees shall select their
(continued on page 5.)

APRIL 8 - Etch it indelibly in your mind! RAE Annual Auction begins promptly at 2 o'clock in the St. George School Gynasium. Doors will open at 12 o'clock to give everyone a chance to look over the "goodies".

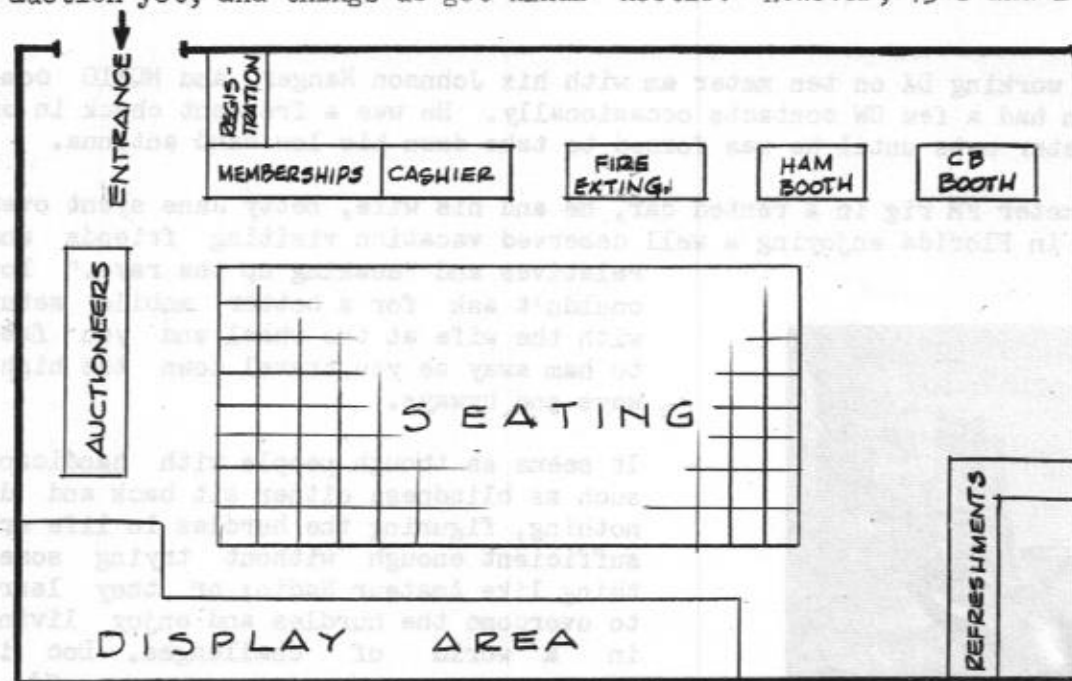
The auction will be run similarly to last year's; but here's the plan in case you've forgotten. You should enter from the parking lot on the southwest side of the building. If you have goods to auction, secure a "ticket" for each item you want to go on the block. This ticket is your receipt and we will not be able to pay you the proceeds without it - so DON'T LOOSE IT! By the way, the ticket will cost you a whopping 10¢. (you loose your dime even if your item is not sold. But that is all you loose because there is no commission on items you buy back.)

We hope this system will discourage those who would have us auction each of a hundred tubes, for example. Instead, we will, if you direct us to do so, auction the first item in the lot, then sell as many of the rest as we can on a first-come basis at the same price.

We encourage you to discard the minimum price bid concept as that limits the psychological tendency toward competitive bidding. We feel that we can run the auction more efficiently and get higher prices if you will let our auctioneer work freely. Instead of minimum bids, then, watch your gear when it comes up for sale. If you done like the price, BID IT BACK. When you bid back your own equipment, there will not be a 10% commission charged to you. Just tell the clerk who delivers it so he can mark your ticket accordingly.

Please stay in the seating area that is provided during the auction. In order to break up the monotony, we will auction goods for 50 minutes, then break for 10. During the 10 minute break, you may purchase refreshments at the snack bar, (We plan to have Hot Dogs, Coffee, Pop, and Donuts.) or visit one of the displays.

We hope we can find the time during the auction to personally greet each of you. I doubt that will be possible, because we will be frantically trying to make this the best auction yet, and things do get kinda' hectic. However, 73's and look for us.



We'll be looking for you.

--Bob, WA3HDK

--George, K3VLP

RAE HAM - O F - T H E - M O N T H

K3AXS

Richard 'Doc' Stancliff



Photos and story by
Charles A. Bliley

Most Hams would say that obtaining an Amateur Radio license was probably one of the more difficult things they have done in their life. I would be the first to admit that being blind certainly wouldn't make the task any easier. This month we are pleased to salute a man who overcame this hurdle of blindness not only in Amateur Radio but also in medicine. He is Doctor Richard Stancliff, K3AXS, Doctor of Osteopathy and a native Erieite.

He suffered from a hereditary disease in childhood that cruelly cost him his sight. Setting his goals high, he attended Grove City College for undergraduate work in medicine before venturing on and graduating from Philadelphia College of Osteopathy and surgery in 1942. "My practice is backaches, and I truly enjoy my work."

It was the late John Szumigala, W3FVH, who visited Doc and interested him in Amateur Radio. John directed him to the annual RAE code and theory class with Bart Geer at the helm. When "the day" came, Doc packed up his typewriter and went to Buffalo to take the test. He was determined not to take the exam for the conditional by mail because of the possible insinuations of fraud so often attached to holders of conditional licenses.

Doc first started working DX on ten meter am with his Johnson Ranger and HQ110 combination. He even had a few CW contacts occasionally. He was a frequent check in on the six and ten meter nets until he was forced to take down his low band antenna.

With his new two meter FM rig in a rented car, he and his wife, Betty Jane spent over a week this March in Florida enjoying a well deserved vacation visiting friends and relatives and "soaking up the rays." You couldn't ask for a better mobile setup with the wife at the wheel and you free to ham away as you travel down the highways and byways.



It seems as though people with handicaps such as blindness either sit back and do nothing, figuring the hurdles in life are sufficient enough without trying something like Amateur Radio; or they learn to overcome the hurdles and enjoy living in a world of challenges. Doc is

(continued on page 5)

HAM OF THE MONTH (continued)

certainly the latter.

When things seem to be going along just a little bit roughly, and the obstacle seems to be nearly impossible, think of some of the courage and fortitued embodied in the person of Doctor Richard Stancliff, K3AXS, and you will not only be comforted, but you will also understand why RAE chose to salute his as our Ham of the Month.

—Chuck Bliley, K3NAU

WHERE THE ACTION IS

April, by tradition is for the fools among us. And this month all those that want to fool around a little can come to the auction at St. George Church and try to fool the other bidder on some very fine junk.

The auction, an annual event, will be one of the activities for the month of April. At the auction, the repeater group will be selling fire putter-outers. These blaze stoppers will be a real addition to the shack and I'm sure that those of you who purchase one will display it in a prominent place in your shack.

Following this month's business meeting (April 6) there will be a demonstration on the art of making a printed circuit. This type of construction is being used more and more each day. Those of you who would like to try your hand at this type of construction and would like to see how it's done shouldn't pass up that April 6th tech talk after our regular business meeting.

After the business meeting on May 4, we are going to try our hand at a demonstration of integrated circuit operational amplifiers. This little chip off the old block has been dubbed the building block of the design engineer. Versatile and inexpensive, this family of circuitry will do just about anything you want it to do—and with very little effort. Don't miss the May tech talk following the May business meeting.

MINUTES (continued)

own officers, be responsible for their own funds, and be financially accountable to the RAE." The motion was seconded by WA3HDK, voted on and carried.

Chuck, K3ATZ indicated that the repeater committee balance was now at \$178.97; a repeater committee business and fire extinguisher meeting will be held Thursday March 9 at 7:30 PM at 1132 East 28th Street. (K3QHO's QTH)

NEW BUSINESS

WA3HSR reminded those present of the final phone weekend of the ARRL DX Contest this weekend (March 4, 5) and that if weather permits, Dave, WA3CQS has given permission for the RAE to use his Thunderbird Tri-bander.

WA3HSR indicated that he had received his Emergency Coordinator initial supplies from the ARRL and that he will be renewing memberships and recruiting new ones. Mike expressed a need for some new ideas for mobile drills to test for emergency preparedness. Several volunteers were sought to help out.

K3NAU displayed the Field Day sign-up sheet and asked that interested persons sign up quickly.

A motion for adjournment was heard at 9:55 PM, seconded by W3SN, and carried. There were 18 members and 2 guests present.

Respectfully submitted,
(signed) Michael D. Hall, WA3HSR
RAE Secretary

Note: CD Drive Out is April 28-29 not March 28-29 as reported in the minutes.

According to Mike, WA3HSR, the monthly transmitter hunts will resume Sunday, April 16 and continue each 3rd Sunday of the month throughout the summer.

All this and more are yours for joining the reliable amateurs of Erie. Happy April Fools, gang . . . See you all on the various nets.

— Chuck Smith, W3ZLO

DRIVEOUT

April 28-29

The American Red Cross - Civil Defense Welfare exercise is being planned and will be held beginning at 6 PM Friday, April 28 and will be concluded at 9 AM Saturday, April 29, 1972.

This fifteenth annual test will be held at the Northwestern High School in Albion. The object of this test is to train local citizens of the community in the mass care and handling of people in times of emergency.

Red Cross personnel supervise these local volunteers in Registration and Identification (R & I), feeding and lodging. ~~A (*) A Friday evening snack and a Saturday morning breakfast is planned for those who stay overnight.~~ If you decide to remain bring along a sleeping bag. Some form of entertainment is always given on Friday evening.

Civil Defense provides security police who work with the local police. Our RAE Comm Truck will provide communications. All ~~RACES~~ members are invited to participate. We will again be using RTTY for the R&I information that is sent to Red Cross Headquarters at 150 W 6th Street, Erie, PA. Voice communications will be passed thru the 2 meter repeater link. This will be the first time that the repeater has been used for official county-wide tests. The communications will begin at 6 PM and we usually secure the stations between 11 PM and midnight.

Tom Schwab W3KPM
CD Radio Officer

SSB

Sale, Swap & Buy

FOR SALE: HA460-22 Watt, 6M, 12VDC/120/VAC, Transceiver and accessories in excellent condition. \$75. Wurlitzer Silver Flute - nearly new. \$150. Brownie K3QAY, 899-4843.

FOR SALE: Drake 2-NT Transmitter. Excellent condition. Complete with manual and cables. Also Heath HG10B VFO with Power/Supply. \$115. Steve Nehez, 866-0069.

FOR SALE: Johnson Adventurer uses 807 in final. 50-Watt CW. XTAL controlled. Makes gud novice rig. \$35. 456-2213.

FOR SALE: Progress Line 2MFM Transceiver 25 Watts on .34/.94, .34/.76, .94/.94 with cables, mike, control head and schematics. \$125. French Horn (F and E Flat Slides) \$75. Brownie 899-4843

K3NAU - Need help in Geology? That's a big 10-4.

WA3JAT - Jim is on Dean's list at Edinboro.

WA3KMF - After 3 weeks of convalescence, Denny is back in New York (Governor's Island) with his cast off and awaiting assignment (to Alaska??)

PREZ SEZ

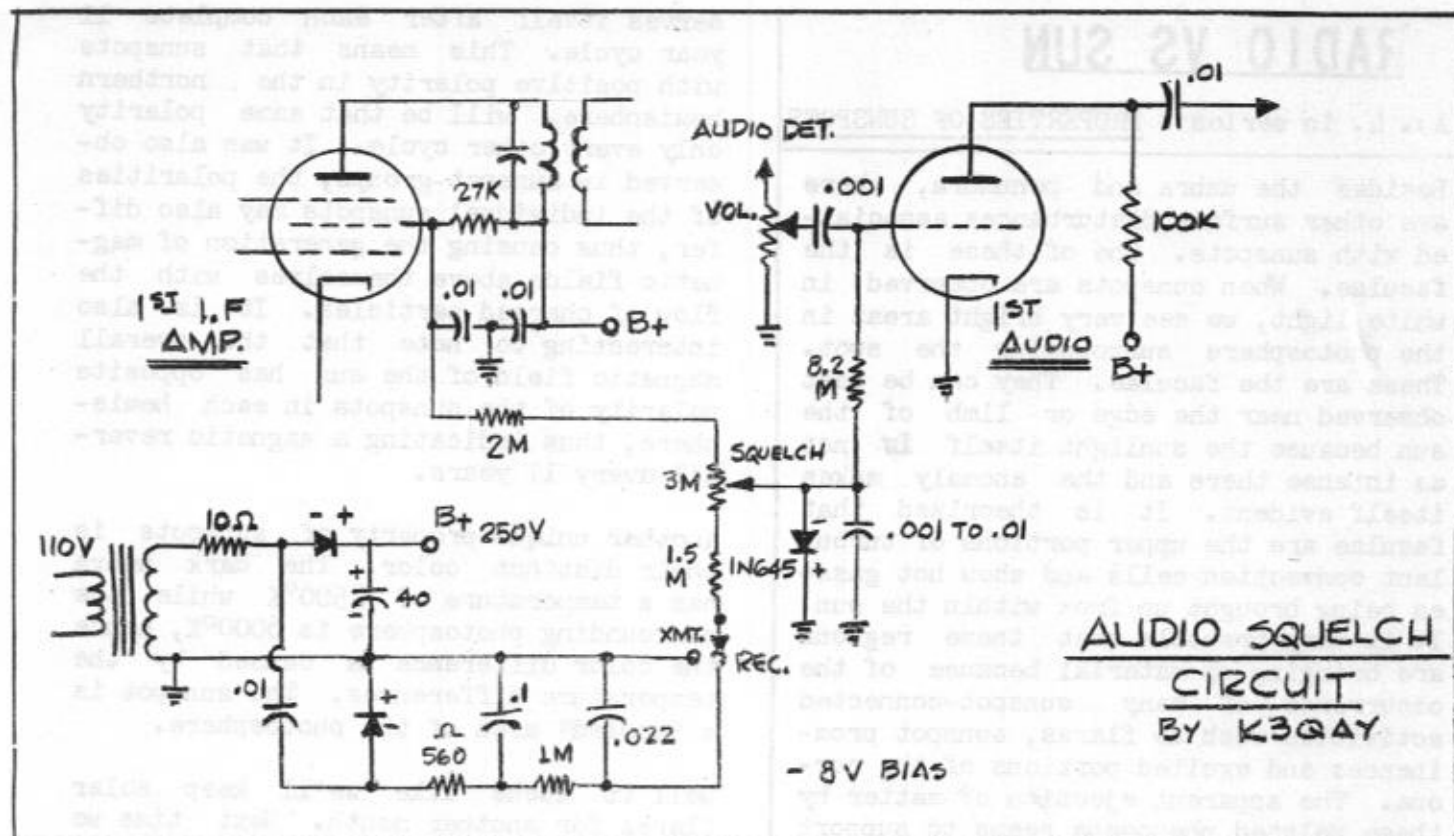
The tower base is now encased in concrete at our new receiver site. It was a rainy day and about a foot of water had to be bailed out to make room for the gravel. Then the base was lowered into the hole and cement was poured in after it. You fellas who couldn't make the work parties on the last two Saturdays missed some real fun. We made a lot of progress and the Receiver Shack is up and nearly finished. The tower can go up in a couple of weeks after the concrete has set, and all will be operational soon after that. Guess who cut the roof rafters too short and who got the wrong size ground clamps for the Receiver Site? Just a couple of goofs that really didn't cause a major problem

Sure hope you guys show up at the auction and bring a lot of goodies. Be prepared to buy a fire extinguisher for the shack or kitchen. You will help the club a great deal if you can sell a few to your friends also. At \$5.95, is not much of an investment and could save many thousands of dollars in damage or the loss of a life if a fire occurs.

See you at the next club meeting and at the auction. -73

Brownie, K3QAY

(*) A Friday evening snack and a Saturday morning breakfast is planned for those who stay overnight.



LETTERS FROM OUR READERS

Gentlemen:

I am unable to attend the meetings of the Radio Association due to a stroke suffered in November, 1967. I enjoy reading the monthly paper and if any of the fellows would like to stop by, they would be more than welcome.

Have sold my old station and beam antenna but hope to be on the air as soon as have ordered a new two meter mobile rig for local rag chews.

Recently thru Donald Eller, K3GYD, who was in contact with my brother Ralph in Florida, K4MY, and who kindly called me on the phone and had a good chat with him. And alos one evening chuck Bliley, K3NAU called me and I again talked to Ralph.

As a trustee of the Radio Association, I try to read all I can about it. 73.

Yours truly,
Walter Jordan, W3SIC

Dear CM

I look forward to receiving about 100 club papers each month from all over the U.S., but the highlight of this month was certainly the March issue of QUA-RAE.

With so few club papers able to muster any significant technical material, it was refreshing to come across six-and-a-half pages of practical, informative antenna information. Congradulations, and keep up the good work.

Very 73
Dick Ross, K2MGA
Editor CQ Magazine

MORE SSB

Late-breaking items

FOR SALE. Heathkit Marauder - SSB, CW, AM, and RTTY xmitter. Also Mosley CM-1 80-10 antenna, Homebrew KW linear, Model 19TTY and converter. Bing Hahn, WA3AWB Phone 521-9494.

RADIO VS SUN

No. 4. in series - PROPERTIES OF SUNSPOTS

Besides the umbra and penumbra, there are other surface disturbances associated with sunspots. One of these is the faculae. When sunspots are observed in white light, we see very bright areas in the photosphere surrounding the spot. These are the faculae. They can be best observed near the edge or limb of the sun because the sunlight itself is not as intense there and the anomaly makes itself evident. It is theorized that faculae are the upper portions of turbulent convection cells and show hot gasses being brought up from within the sun. It is very probable that these regions are bringing up material because of the occurrence of many sunspot-connected activities such as flares, sunspot prominences and excited portions of the corona. The apparent ejection of matter by these related phenomena seems to support this idea. One can often predict the appearance of a sunspot by finding faculae. The faculae usually precede the sunspots formation and also may continue to glow for varying times after the sunspot decays. Another version of the faculae appear more poleward than we ever find sunspots. It is not uncommon to find this kind of faculae between 60° and 80° latitude. Since sunspots don't occur at this latitude, these faculae exhibit different properties than their lower latitude relatives. These appear as very tiny, bright points and are very short-lived. The polar faculae are most frequent during minimums of sunspot activity.

When the chromosphere (atmosphere) above the sunspot is observed in Hydrogen light, it often shows up as a vortex structure. Because many ions and other charged particles are found in the chromosphere, it was thought that they may generate a magnetic field within the vortex. George Ellery Hale discovered these magnetic fields around sunspots in 1913. Some of Hale's most interesting observations were that sunspots in one hemisphere exhibit the polarity opposite those in the other. This polarity re-

serves itself after each complete 11 year cycle. This means that sunspots with positive polarity in the northern hemisphere, will be that same polarity only every other cycle. It was also observed in sunspot groups, the polarities of the individual sunspots may also differ, thus causing the generation of magnetic fields above themselves with the flow of charged particles. It is also interesting to note that the overall magnetic field of the sun has opposite polarity of the sunspots in each hemisphere, thus indicating a magnetic reversal every 11 years.

Another unique property of sunspots is their distinct color. The dark umbra has a temperature of 4500°K while the surrounding photosphere is 6000°K, hence the color difference is caused by the temperature differences. The sunspot is a "cooled" area of the photosphere.

Well it looks like we'll keep solar flares for another month. Next time we will examine a flare and see what it is and look at the different types. Following this we will look at some simultaneous terrestrial effects of flares and later the delayed effects.

Mike Hall, WA3HSR

FIRE FIRE FIRE FIRE FIRE

Have you ordered your fire extinguisher yet? The 2 meter repeater committee is selling fire extinguishers to help finance the 2 meter repeater.

If you do not have a fire extinguisher in your home, you can add some protection and help the repeater committee - every home should have a fire extinguisher in the kitchen and another one in the bedroom area especially if you have a 2 story house. Of course it is not a bad idea to have one in the shack when you smoke test that new rig!! These are 1 pound UL approved fire extinguishers rated for gas, oil, grease, and electrical fires. If you would like to order a fire extinguisher, contact any member of the repeater committee or call me at 456-0636.

Jim Fitzreiter, K3QHO

VHF COMMITTEE NEWS

The new Emergency Coordinator (EC) for Erie county, Mike Hall, WA3HSR, recognizes the advantages of using 6 Meters to handle local communications under real or practice emergency conditions. There are two chief reasons for using 6 meters for local traffic. (1) Very seldom would the net be bothered by skip conditions. and, (2) there are many mobile rigs in the area as well as many excellent fixed stations.

The local Tri-State net boasts an average check-in of 20 stations from New York, Pennsylvania and Ohio. The Net Control Station for the month of March was Myron Powers, W3ALD. Myron is one of the original 6 meter group who built all their own mobile and fixed station rigs. He is a builder in other ways, too. He helped form the Lake Shore ARC in western Erie County. Myron has been it's president and one of its most active members. Along with his XYL, Gertrude, Myron has helped make the annual field day activity an annual success. I don't know a banquet or hamfest in the Erie area that this couple has not attended. He is a true builder in more ways than one.

The results of the 1972 elections find the TVI Committee down to two members---K3QAY, Brownie and W3ALD, Myron. Joe Mieczkowski, WA3MAU was elected Secretary-treasurer; and, of course, I was elected president.

In addition to AM on the 6 meter band, there is getting to be more SSB. The three stations I have heard on most consistently are K2ZYX, Willie, WA3HRJ, Jim, and K8VCX, Everett. I would like information as to the extent of 6 meter SSB ground wave coverage.

Hope to meet many of you fellows in person at the coming April 8th auction. Some of you have talked with me many times but I have never met you.

Net Control Station for the Month of April is Fred Byrd, W3UCZ. Guess that's about all the news for this month. Please feed information and news tips into the Tri-State net Which meets Sunday nights at 9 o'clock local time on 50.525Mhz. 73

---Doc, W3YWL

Transmitter hunts will resume on Sunday April 16. 10 meter hidden transmitter will be Rick, W3LSY. Who is six meter station??? Starting time is 6:30 pm. Call Mike, WA3HSR for information.

Astronomy Buffs Attention

The Physics Department of Edinboro State College will be the setting for a space travel seminar during open house May 5, 6 and 7. An authentic piece of moon rock will be one of the attractions. There will also be on display some lunar photography. Other activities include movies and the observatory will be open to the public. The public is cordially invited to attend. For further info, address inquiries to Prof. James C. LoPresto, Dept. of Physics, Edinboro State College, Edinboro, PA 16412.

---Mike, WA3HSR

REPEATER COMMITTEE MEETING MINUTES

9 March 1972

The meeting convened at 7:30 at K3QHO's QTH. Slides of the transmitter site were shown. The lease with Bliley's was read to the members and then given to K3QAY for presentation to the Board of Directors. Discussion of the Transmitter site by K3QAY. K3QHO discussed fire extinguisher sales for the repeater. K3NAU read facts comparing CO₂ with the Dry Chemical type being sold by the committee. The dry chemical has the same effectiveness as CO₂. K3QHO also mentioned other salable items. It was agreed to collect a \$2

---Continued on page 11

WALLPAPER

Did you ever have anyone ask for your QSL so he could add some more wallpaper to the shack? Did you think that he considered the card wallpaper? Maybe he did, but there is a good chance that he only wanted the card to be eligible for some certificate or other.

We are all familiar with WAS, WAC, RCC, and the code proficiency awards. There are many more pieces of wallpaper that can be obtained. Among these are the local awards given for working a certain number of stations in a given city, state, area, club or country. Here in Erie we have the "Erie Award for working any ten area stations and getting a QSL from each. The Tri-State award is for working six sponsoring members of the Tri-State net on six meters. Then there is the award given for working states along the Great Lakes which is sponsored by the Lake Shore Amateur Radio Club. We will try to have the complete rules for this one next month.

Of course we do not want to forget the many fine, impressive, pieces of paper issued by the ARRL for the station who has been of service to his fellow man. These are described in the ARRL Handbook and in QST.

Now comes that most prized piece of wall paper, the thank-you letter. Is there anyone who would not be proud to display a thank-you letter or picture for a job well done - be it in an emergency, a drill, or just routine service. Maybe the net managers, ECs and others reading this will think the next time when a thank you is appropriate and send one. If you don't have the facilities, you can get in touch with the QUA-RAE staff who will be more than glad to help.

K3VLP, George Dickey

W3HTD - Lin will be relocating to Florida late this year.

K3PCI - John packs quite a signal with his HA-410 and sports some good DX.

LAKE ERIE AWARD

The Lake Erie Award is issued for work-counties bordering on Lake Erie. There are 13 counties involved in the four states of New York, Pennsylvania, Ohio, and Michigan. They are Chautauqua and Erie counties in New York, Monroe and Wayne counties in Michigan, Erie county in Pennsylvania, and in Ohio the counties of Ashtabula, Lake, Cuyahoga, Lorain, Erie, Sandusky, Ottawa, and Lucas.

Amateurs in New York, Pennsylvania, Ohio and Michigan work 10 counties with all four states represented. The rest of the U.S. including VE work 8 counties with all four states represented. DX including KL and KH work 6 counties with three states represented. This award is also available to SWL's. No starting time and no endorsements are required. Fee is 50¢ or 5 IRC's. DX fee is 3 IRC's

Send QCR list stating that QSL's were sighted and signed by two licensed amateurs to: David M. Maynard WA3EZN

P.O. Box 229
Fairview, PA 16415

PENNSYLVANIA AWARD SERIES

The Pennsylvania Award is a series of five awards sponsored by the Lake Shore Amateur Radio Association.

1. Pennsylvania Dities-for working 10 largest cities in PA. 1. Philadelphia 2. Pittsburgh 3. Erie 4. Scranton 5. Allentown 6. Reading 8. Bethlehem 9. Altoona 10. Chester. DX stations only need 8 cities and may substitute Wilkes-Barre, Lancaster, York & Johnstown.

2. VHF-for PA contacts on 6 meters and above. PA stations work 25 stations in 15 counties. Rest of U.S. and VE work 20 stations in 10 counties. DX work 10 stations in 5 counties

(continued on page 11)

3. Novice-PA stations work 25 novices in 15 counties. Rest of U.S. and VE work 20 novices in 10 counties. DX work 10 novices in 5 counties.

4. YL AWARD-PA stations work 25 YL's in 15 counties. Rest of U.S. and VE work 20 YL's in 10 counties. DX work 10 YL's in 5 counties.

5. MOBILE- PA stations work 25 mobiles in 15 counties. Rest of U.S. and VE work 20 mobiles in 10 counties. DX work 10 mobiles in 5 counties.

No endorsements and no starting time. Fee is 50 cents for U.S. & VE. DX 50¢ or 5 IRC's. Send GCR list stating QSL's were sighted and signed by 2 licensed amateurs to:

David M. Maynard, WA3EZN
P. O. Box 229
Fairview, PA 16415

RACES-CD NETS

All RACES members are asked to check into the Western Area Civil Defense net, which begins at 9 AM each Sunday on 3990.5 (SSB). Kenneth Pfeiffer, W3AEN is the new Western Area RACES Officer.

Also those with RTTY capabilities are asked to check into the Pennsylvania Civil Defense Net the first Sunday of each month at 9:30 AM on 3538.5 KHz. Net control station in Harrisburg is W3JJV.

---Tom Schwab, W3KPM

REPEATER COMMITTEE MEETING MINUTES (continued.)

deposit on each extinguisher and use receipt books marked non-refundable. WA3HDK asked for assistance by the group at the auction. Voted on and passed.

K3WTZ announced that K8HRS repeater will be moving to 16 input this weekend. After discussion it was voted to make 146.52 a simplex frequency for the Erie Area. This is in keeping with national interests. Plans for work party at the receiver site were discussed and the meeting adjourned at 2145 R.

---From notes provided by Charlie, K3NAU

MORE ACTIVITIES SCHEDULED FOR APRIL 6 BUSINESS MEETING

The Tulsa repeater story will be presented in slide form following the regular business meeting on April 6. The story of WA5LVT is a very enlightening one of the troubles encountered while building the system. This slide story was obtained from the Tulsa group on an information exchange basis.

---Chuck Smith, W3ZLO

Dob. Bet

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Richard A. Brinkerhoff
120 Newton Street Fredonia, NY 14063
Phone (716) 672-5454

• APRIL 1972 •

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
COMING UP - USSR DX CONTEST - MAY 6 & 7 (NOT OFFICIALLY ANNOUNCED YET)						1 POLAND DX CONTEST "CW"
2 NETS 6-10 POLAND (SP) DX CONTEST "CW"	3	4	5	6 RAE BUSINESS Meeting 8:00 PM	7 SSB COUNTY HUNTERS CONTEST	8 SSB C.H.C. AUCTION
9 6-10 NETS SSB C.H.C.	10 SSB C.H.C.	11	12	13	14	15 HELVETIA "22" CONTEST (SWITZERLAND)
16 6-10 NETS SWITZERLAND CONTEST	17 6:30 pm Xmtr. Harris	18	19	20 RAE Activities Meeting	21	22 Dayton, O. Harrington
23 6-10 NETS W.A.E. RTTY	24	25	26	27	28 28-29 New York State QSO Party	29 W.A.E. RTTY CONTEST

STILL MORE SSB

Couldn't wait for the auction

WANTED: Prog Line AC power supply or 15 volt, 10 amp transformer. Also need 4-freq receiver deck for Prog Line. Stephen West, WB1CT/3, 7216 Raymond Ct., Erie, Pa. 16505. Phone 838-4852.

New Members:

Bring your roster up to date

Dan Iavietes
16 Whitmore St.
Lexington, VA 24450
(703) 261-2181 ex 46

Tom Schiave, K3KJH
R. D. 1, East Middle Rd.
North East, PA 16428
725-3447

Stephen West, WB1CT/3
7216 Raymond Ct.
Erie, PA 16505
838-4852

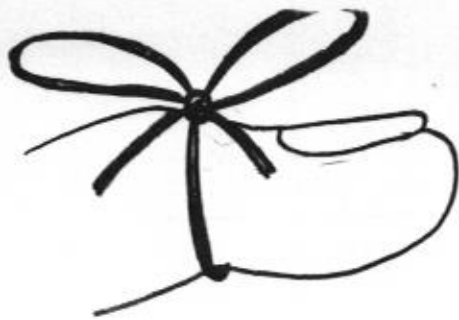
The FINAL FINAL

Ran out of space again!

Seems as though the months pass so quickly that we seldom have time to catch our breath between issues. There is so much activity that it is difficult to report on everything. Starting with this issue, Doc Baxter joins our staff to write about VHF Committee activities. There's still room to report others activities - but you people who are in the activities will have to take the initiative and get your story to me.

I HEARD IT AGAIN! and it sounds like sour grapes to me. Please, you guys out there complaining that too much attention is given to repeater activities . . . DO SOMETHING ABOUT IT (besides complain). You are communicators. If you have some other interest, let it be known. Come to the meetings; voice your opinion. Write an article for the QUA-RAE. GET INVOLVED! Next month's theme is CW; June's is MOBILE OPERATION. Deadline for articles for publication is the 15th of each month preceding publication. Am already past place for page number so 73.

-- Bob WA3HDK



A REMINDER..

ANNUAL R.A.E. Auction

• SATURDAY APRIL 8TH 1972 •

— in the —

ST. GEORGE GYMNASIUM

5145 PEACH STREET ERIE, PA.

REGISTRATION — 12 NOON TO 2 PM

AUCTION — 2 PM TO ?

RULES

1. A 10% commission will be charged on all items sold as a result of the auction. However, there will be no charge made if the ^{OWNER} bids back his own item.
2. An auction fee of 10¢ per lot will be made to place items on the auction block. Lots of similar items may be registered for one 10¢ fee, but one item of the lot will be auctioned and all the rest offered at the same price to those who want them.
3. We discourage minimum bid items. You may purchase your gear back without paying us the 10% commission. Therefore, minimum bid items will be placed on a separate table to be sold last.
4. Private sales should be approved by the auction committee. Please - we want to be fair to you; play fair with us by giving us the 10% commission on all sales arranged as a result of the auction.
5. All sales for cash.
6. Items not sold must be removed by the owner.

We don't care if you belong to another club
There will be something for everyone, so stop and say HELLO !

A REMINDER..



ANNUAL R.A.E. Auction

SATURDAY APRIL 8, 1972

ST. GEORGE GYMNASIUM

5152 PEACH STREET, ERIE, PA.

REGISTRATION - 12:00 PM TO 2:00 PM

AUCTION - 2:00 PM TO 5:00 PM

THE RADIO ASSOCIATION OF ERIE, INC.
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Erie, PA 16512

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There will be something for everyone. So stop and say Hello!
We don't care if you belong to another club.